

**TITLE OF THE INVENTION**  
**MURAMIC ACID DERIVATIVE COMPOUNDS**

**ABSTRACT OF THE DISCLOSURE**

5        The present invention pertains to the combinatorial synthesis of  
antibacterial agents that inhibit the Mur-pathway enzymes involved in bacterial cell  
wall assembly. The method uses p-alkoxybenzylidene as the linker for the attachment  
of a derivatized muramic acid to the polymeric resin support. This intermediate  
becomes the starting point for the combinatorial synthesis, which in conjunction with  
10      split-pooling techniques allows rapid synthesis of diverse analogues for high-  
throughput screening (HTS). The invention is further directed to the libraries of these  
finished compounds that vary at the peptide, N-acyl and anomeric UDP positions.